

TWIST DRILL FOR DRILLING, A DRILL WITH A CUTTING INSERT, AND A
REPLACEABLE CUTTING INSERT FOR A TWIST DRILL

ABSTRACT OF THE DISCLOSURE

On a drill with a base body and a replaceable cutting insert, the cutting insert lies in a receptacle that runs through the base body at a right angle to the latter's longitudinal axis and is open toward the drill tip, whereby the cutting insert is in contact by means of two diametrically opposite contact surfaces against the side walls of the receptacle. Between each contact surface of the cutting insert and a side wall of the receptacle, there is a groove that extends in the direction of the longitudinal axis, in which groove a clamping wedge sits with a form-fit and a friction-fit, and interacts with the base body and the cutting insert in the manner of a self-locking device that acts toward the drill tip.

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